

Part Number: 22284255

Product Description: KK 254 Breakaway Header, Vertical, 25 Circuits, 0.38µm Gold (Au) Selective Plating, Mating Pin Length 7.49mm

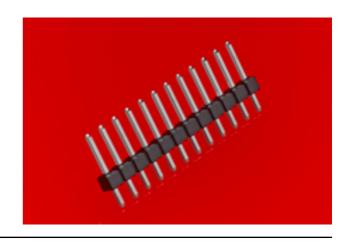
Series Number: 42375

**Status:** Active

**Product Category: PCB Headers and** 

Receptacles

Engineering Number: 42375-0270



#### **Documents & Resources**

#### **Drawings**

<u>022284255\_sd.pdf</u> PK-40873-0041-001.pdf

#### 3D Models and Design Files

022284255\_stp.zip

## Specifications

PS-10-07-001.pdf

# **Product Environment Compliance**

#### Compliance

GADSL/IMDS	Not Relevant
China RoHS	•
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2- 21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

#### **Multiple Part Product Compliance Statements**

- Eu RoHS
- REACH SVHC
- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

## **Part Details**

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	42375
Description	KK 254 Breakaway Header, Vertical, 25 Circuits, 0.38µm Gold (Au) Selective Plating, Mating Pin Length 7.49mm
Application	Board-to-Board, Signal, Wire-to- Board
Component Type	PCB Header
Product Name	KK 254
UPC	800753835856

## Agency

CSA	LR19980
UL	E29179

#### **Electrical**

Current - Maximum per Contact	4.0A
Voltage - Maximum	500V

## Physical

Breakaway	Yes
Circuits (Loaded)	25
Circuits (maximum)	25
Color - Resin	Black
Durability (mating cycles max)	100

First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.859/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	3.05mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Plating min - Mating	0.381µm
Plating min - Termination	2.540μm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Temperature Range - Operating	See Product Specification
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	260

## Mates With / Use With

## Mates with Part(s)

Description	Part Number
KK 254 Single Row Crimp Housings	<u>2695</u>
KK 254 Receptacle Housings	7880
KK 254 PC Board Connector	4455
2.54mm Pitch C-Grid Shunt Terminal Housings	<u>7859</u>

This document was generated on Mar 13, 2025